Amendments to the Claims

Claims 1-15. (Canceled)

16. (New) A rotor blade for manufacturing gas turbine rotors having integral blading by capacitor discharge welding, comprising a blade pan and a blade footing connected to the blade pan, wherein the blade footing includes a V-shaped cross section and wherein the V-shaped cross section contacts a rotor in a capacitor discharge welding process.

17. (New) The rotor blade according to Claim 16, wherein the capacitor discharge welding process is a capacitor discharge stud welding process.

18. (New) The rotor blade according to Claim 16, wherein an acutely tapered end of an area having the V-shaped cross section contacts the rotor, wherein the area has a cross section which becomes wider from the acutely tapered end to the blade pan.

19. (New) The rotor blade according to Claim 16, wherein the blade footing has a cross section adapted to an introduction of pressure forces in an area arranged between the blade pan and an area designed with the V-shaped cross section.

20. (New) The rotor blade according to Claim 16, wherein the blade footing has at least one projection for introduction of a pressure force.

21. (New) The rotor blade according to Claim 20, wherein the projection or each projection extends in a longitudinal direction of the blade footing.

22. (New) The rotor blade according to Claim 20, wherein the blade footing includes two projections and wherein each projection forms a shoulder arranged on a side of the blade footing.

23. (New) The rotor blade according to Claim 16, wherein the blade footing has at least one groove for introduction of a pressure force.

24. (New) The rotor blade according to Claim 23, wherein the groove or each groove extends in a longitudinal direction of the blade footing.

25. (New) The rotor blade according to Claim 23, wherein the blade footing includes two grooves and wherein each groove is arranged on a side of the blade footing.

26. (New) A method for manufacturing gas turbine rotors having integral blading, wherein a plurality of rotor blades comprised of a blade pan and a footing of the blade connected thereto are mounted on a rotor mount, in particular on a disk or a ring, by capacitor discharge welding, wherein the footing of the blade includes a V-shaped cross section serving to provide contact between the rotor mount and the footing in the capacitor discharge welding, and wherein thickened areas and/or protruding material and/or welding notches are machined off to a final contour of the gas turbine rotors having integral blading.

27. (New) The method according to Claim 26, wherein the rotor blades are mounted on the rotor mount by capacitor discharge stud welding.

28. (New) The method according to Claim 26, wherein an acutely tapered end of an area having the V-shaped cross section contacts the rotor mount, wherein the area has a cross section which becomes wider from the acutely tapered end to the blade pan.

29. (New) The method according to Claim 26, wherein in the capacitor discharge welding, a pressure force is applied simultaneously to the rotor blade or each rotor blade.

30. (New) The method according to Claim 26, wherein the thickened areas and/or protruding material and/or welding notches are machined off by milling or by electrochemical machining.

31. (New) A gas turbine rotor, comprising:

a rotor blade having a blade pan and a blade footing, wherein the blade footing includes a V-shaped portion; and

a rotor mount defining a recess therein;

wherein the V-shaped portion of the blade footing is disposed within the recess of the rotor mount.

32. (New) The gas turbine rotor according to Claim 31, wherein the V-shaped portion is joined to the rotor mount by a capacitor discharge weld.

33. (New) A method for joining a rotor blade to a rotor mount of a gas turbine rotor, comprising the steps of:

disposing a V-shaped portion of a blade footing of a rotor blade in a recess defined by a rotor mount; and

welding the V-shaped portion to the rotor mount by capacitor discharge welding.

34. (New) The method according to Claim 33, wherein the blade footing includes a non-V-shaped portion disposed between the V-shaped portion and a projection of the rotor blade that extends along a length of the rotor blade and further comprising the step of applying a pressure force to the projection.

35. (New) The method according to Claim 33, wherein the blade footing includes a non-V-shaped portion disposed between the V-shaped portion and a groove defined by the rotor blade that extends along a length of the rotor blade and further comprising the steps of engaging a tool in the groove and applying a pressure force to the rotor blade by the tool.